(EXCEPT 1 AND 2-FAMILY DWELLINGS AND TOWNHOUSES)

(Reproduce the following data on the building plans sheet 1 or 2)

	*				
Name of Project:					
			Zip Code		
Owner/Authorized Agent:					
Owned By:	☐ City/County	☐ Private	☐ State		
Code Enforcement Jurisdiction:	City	☐ County	State		
CONTACT:					
DESIGNER FIRM	NAME	LICENSE#	TELEPHONE # E-MAIL		
Architectural		•	(_)		
Civil	·				
Electrical Fire Alarm			<u>() </u>		
Dhumbing					
Mechanical					
Sprinkler-Standpipe			(·)		
Structural					
Retaining Walls >5' High					
Other ("Other" should include firms and	individuals such as truss	nyacast nya anain			
(Other should melade fifths and	marviaudis sucii as truss,	precast, pre-engine	ered, interior designers, etc.)		
2018 NC BUILDING CODE: New Building Addition Renovation 1st Time Interior Completion Shell/Core - Contact the local inspection jurisdiction for possible additional procedures and requirements Phased Construction - Shell/Core - Contact the local inspection jurisdiction for possible additional procedures and requirements Phased Construction - Shell/Core - Contact the local inspection jurisdiction for possible additional procedures and requirements Phased Construction - Shell/Core - Contact the local inspection jurisdiction for possible additional procedures and requirements Phased Construction - Shell/Core - Contact the local inspection jurisdiction for possible additional procedures and requirements Phased Construction - Shell/Core - Contact the local inspection jurisdiction for possible additional procedures and requirements Phased Construction - Shell/Core - Contact the local inspection jurisdiction for possible additional procedures and requirements Phased Construction - Shell/Core - Contact the local inspection jurisdiction for possible additional procedures and requirements Phased Construction - Shell/Core - Contact the local inspection jurisdiction for possible additional procedures and requirements Phased Construction - Shell/Core - Contact the local inspection jurisdiction for possible additional procedures and requirements Phased Construction - Shell/Core - Contact the local inspection jurisdiction for possible additional procedures and requirements Phased Construction - Shell/Core - Contact the local inspection jurisdiction for possible additional procedures and requirements Phased Construction - Shell/Core - Contact the local inspection jurisdiction for possible additional procedures and requirements Phased Construction - Shell/Core - Contact the local inspection jurisdiction for possible additional procedures and requirements Phased Construction - Shell/Core - Contact the local inspection jurisdiction for possible additional procedures and requirements Phas					
BASIC BUILDING DATA Construction Type:	Class [] I [] II Flood Hazard No [] Yes (Contact t	☐ III ☐ We Area: ☐ No	☐ IV ☐ V-A ☐ V-B PA 13R ☐ NFPA 13D t ☐ Dry ☐ Yes Ljurisdiction for additional ts.)		

		Gross Building Area	ı Table	
FLOOR	EXISTING (SQ FT)	New (sq		SUB-TOTAL
3 rd Floor			/	
2 nd Floor				
Mezzanine				
1st Floor				
Basement				
TOTAL			The second secon	
		ALLOWABLE A	REA	
Primary Occupa	ancy Classification(s):			
Assembly	□ A-1 □ A-2 □ .	A-3		
Business				
Educational				
Factory	☐ F-1 Moderate ☐ F	-2 Low		
Hazardous	☐ H-1 Detonate ☐ H	-2 Deflagrate 🔲 H-3 (Combust 🔲 H-4 Health [☐ H-5 HPM
Institutional	☐ I-1 Condition ☐ 1	□ 2		
	☐ I-2 Condition ☐ 1	□ 2		
	☐ I-3 Condition ☐ 1	□ 2 □ 3 □	4 🔲 5	
	☐ I-4			
Mercantile				
Residential	☐ R-1 ☐ R-2 ☐ J	R-3 🔲 R-4		
Storage	S-1 Moderate	S-2 Low High-1	oiled	
	Parking Garage	Open 🗌 Enclosed 🔲	Repair Garage	
Utility and M	fiscellaneous			
Incidental Uses (
Special Uses (Ch	apter 4 – List Code Sec	tions):		
Special Provision	ns: (Chapter 5 – List Co	de Sections):		
Mixed Occupant	ey: 🗌 No 🔲 Ye	es Separation:	Hr. Exception:	
		applying the height and occupancies to the entire	nstruction for the building area limitations for each of the building. The most restreations, shall apply to the ent	of the applicable rictive type of
☐ Sepa	be su	ch that the sum of the ra	ns for each story, the area tios of the actual floor area ach use shall not exceed 1.	a of each use divided by
	l Area of Occupancy A le Area of Occupancy A	+ <u>Actual Area o</u> j Allowable Area o		
		+	+	= ≤ 1.00

STORY NO.	DESCRIPTION AND USE	(A) BLDG AREA PER STORY (ACTUAL)	(C) AREA FOR FRONTAGE INCREASE ^{1,5}	(D) ALLOWABLE AREA PER STORY OR UNLIMITED ^{2,3}

¹ Frontage area increases from Section 506.3 are computed thus:

a. Perimeter which fronts a public way or open space having 20 feet minimum width = _____ (F)

b. Total Building Perimeter = ____(P)

- c. Ratio (F/P) = (F/P)
- d. $W = Minimum width of public way = ___ (W)$
- e. Percent of frontage increase $I_f = 100[F/P 0.25] \times W/30 =$ (%)

² Unlimited area applicable under conditions of Section 507.

- ³ Maximum Building Area = total number of stories in the building x D (maximum3 stories) (506.2).
- ⁴ The maximum area of open parking garages must comply with Table 406.5.4.
- ⁵ Frontage increase is based on the unsprinklered area value in Table 506.2.

ALLOWABLE HEIGHT

	ALLOWABLE	SHOWN ON PLANS	CODE REFERENCE 1
Building Height in Feet (Table 504.3) ²			
Building Height in Stories (Table 504.4) ³			

¹ Provide code reference if the "Shown on Plans" quantity is not based on Table 504.3 or 504.4.

² The maximum height of air traffic control towers must comply with Table 412.3.1.

³ The maximum height of open parking garages must comply with Table 406.5.4.

FIRE PROTECTION REQUIREMENTS

BUILDING ELEMENT	FIRE		RATING	DETAIL#	DESIGN#	SHEET # FOR	SHEET#
	SEPARATION DISTANCE (FEET)	REQ'D	PROVIDED (W/* REDUCTION)	AND SHEET#	FOR RATED ASSEMBLY	RATED PENETRATION	FOR RATED JOINTS
Structural Frame, including columns, girders, trusses							
Bearing Walls							
Exterior							
North							
East					<u>.</u>		
West							
South							
Interior							
Nonbearing Walls and Partitions						:	
Exterior walls							
North							
East							
West							
South							
Interior walls and partitions							
Floor Construction Including supporting beams and joists							
Floor Ceiling Assembly							
Columns Supporting Floors							
Roof Construction, including supporting beams and joists							
Roof Ceiling Assembly			,				
Columns Supporting Roof							
Shaft Enclosures - Exit							
Shaft Enclosures - Other							
Corridor Separation							
Occupancy/Fire Barrier Separate	ion						
Party/Fire Wall Separation							
Smoke Barrier Separation							
Smoke Partition							
Tenant/Dwelling Unit/ Sleeping Unit Separation							
Incidental Use Separation							

^{*} Indicate section number permitting reduction

PERCENTAGE OF WALL OPENING CALCULATIONS

FIRE SEPARATION DISTANCE (FEET) FROM PROPERTY LINES	DEGREE OF OPENINGS PROTECTION (TABLE 705.8)	Allowable area (%)	ACTUAL SHOWN ON PLANS (%)
Emergency Lighting: Exit Signs: Fire Alarm: Smoke Detection Systems: Carbon Monoxide Detection:	LIFE SAFETY SYSTEM No Yes Yes	. -	
I.C. C. C. L. Dian Character	LIFE SAFETY PLAN RI	EQUIREMENTS	
Exterior wall opening area Occupancy Use for each a Occupant loads for each a Exit access travel distance Common path of travel dis Dead end lengths (1020.4) Clear exit widths for each Maximum calculated occu Actual occupant load for e A separate schematic plan purposes of occupancy sep	v line locations (if not on the sawith respect to distance to assert as it relates to occupant locate as (1017) stances (Tables 1006.2.1 & 100 exit door pant load capacity each exit door indicating where fire rated floor aration	sumed property lines (705 and calculation (Table 1004 06.3.2(1))	ed on egress width (1005.3)
Location of doors with ele Location of doors equippe Location of emergency esc The square footage of eacl	ayed egress locks and the amo ctromagnetic egress locks (10 d with hold-open devices cape windows (1030) a fire area (202)	10.1.9.9)	
The square footage of each	smoke compartment for Occ	upancy Classification I-2	(407.5)

Note any code exceptions or table notes that may have been utilized regarding the items above

ACCESSIBLE DWELLING UNITS

(SECTION 1107)

TOTAL UNITS	Accessible Units Required	Accessible Units Provided	TYPE A Units Required	Type A Units Provided	TYPE B Units Required	TYPE B Units Provided	TOTAL ACCESSIBLE UNITS PROVIDED

ACCESSIBLE PARKING

(SECTION 1106)

LOT OR PARKING	TOTAL # OF PARKING SPACES		# OF AC	TOTAL#		
AREA	REQUIRED	PROVIDED	REGULAR WITH	VAN SPAC	ES WITH	ACCESSIBLE
	5' ACCESS AISLE	132" ACCESS AISLE	8' ACCESS AISLE	PROVIDED		
TOTAL						

PLUMBING FIXTURE REQUIREMENTS (TABLE 2902.1)

U	ISE	V	/ATERCLOSI	ETS	URINALS	10000	LAVATORIE	S	SHOWERS		FOUNTAINS
		MALE	FEMALE	UNISEX	5/60/5/6/5/	MALE	FEMALE	UNISEX	/TUBS	REGULAR	ACCESSIBLE
SPACE	EXIST'G										
	NEW										
	REQ'D										

SPECIAL APPROVALS

Special approval: (Local Jurisdiction, Department of Insurance, OSC, DPI, DHHS, etc., describe below)	

ENERGY SUMMARY

ENERGY REQUIREMENTS:

The following data shall be considered minimum and any special attribute required to meet the energy code shall also be provided. Each Designer shall furnish the required portions of the project information for the plan data sheet. If performance method, state the annual energy cost for the standard reference design vs annual energy cost for the proposed design.

Existing building envelope complies with code: No Yes (The remainder of this section is not applicable)	
Exempt Building: No Yes (Provide code or statutory reference):	
Climate Zone: 3A 4A 5A	
Method of Compliance: Energy Code Performance Prescriptive ASHRAE 90.1 Performance Prescriptive (If "Other" specify source here)	
THERMAL ENVELOPE (Prescriptive method only)	
Roof/ceiling Assembly (each assembly)	
Description of assembly: U-Value of total assembly: R-Value of insulation: Skylights in each assembly: U-Value of skylight: total square footage of skylights in each assembly:	
Exterior Walls (each assembly)	
Description of assembly: U-Value of total assembly: R-Value of insulation: Openings (windows or doors with glazing) U-Value of assembly: Solar heat gain coefficient: projection factor: Door R-Values:	
Walls below grade (each assembly)	
Description of assembly: U-Value of total assembly: R-Value of insulation:	
Floors over unconditioned space (each assembly)	
Description of assembly: U-Value of total assembly: R-Value of insulation:	
Floors slab on grade	
Description of assembly: U-Value of total assembly: R-Value of insulation: Horizontal/vertical requirement: slab heated:	

STRUCTURAL DESIGN

(PROVIDE ON THE STRUCTURAL SHEETS IF APPLICABLE) DESIGN LOADS:

Importance Factors:	Snow (I _S) Seismic (I _E)
	Roof psf Mezzanine psf Floor psf
Ground Snow Load:	psf
	mate Wind Speed mph (ASCE-7) osure Category
SEISMIC DESIGN CATEGORY	:
Provide the following Seismic Desi Risk Category (Table 160 Spectral Response Accele	4.5) 🔲 I 🔲 III 🔲 IV
Site Classification (ASCE	, — ··
Data Sour Basic structural system	Ce:
Analysis Procedure:	☐ Simplified ☐ Equivalent Lateral Force ☐ Dynamic
Architectural, Mechanica	al, Components anchored?
LATERAL DESIGN CONTROL	: Earthquake Wind
SOIL BEARING CAPACITIES: Field Test (provide copy o Presumptive Bearing capacity Pile size, type, and capacity	•

MECHANICAL DESIGN (PROVIDE ON THE MECHANICAL SHEETS IF APPLICABLE)

MECHANICAL SUMMARY

MECHANICAL SYSTEMS, SERVICE SYSTEMS AND EQUIPMENT

I hermai Zone
winter dry bulb:
summer dry bulb:
summer dry buto
Interior design conditions
winter dry bulb:
summer dry bulb:
relative humidity:
relative numbury.
Building heating load:
Building cooling load:
Mechanical Spacing Conditioning System
Unitary
description of unit:
heating efficiency:
cooling efficiency:
size category of unit:
Boiler
Size category. If oversized, state reason.:
Chiller
Size category. If oversized, state reason.:
List equipment efficiencies:

ELECTRICAL DESIGN (PROVIDE ON THE ELECTRICAL SHEETS IF APPLICABLE)

ELECTRICAL SUMMARY

LEC	TRICAL SYSTEM AND EQUIPMENT
•	Method of Compliance: Energy Code Performance Prescriptive ASHRAE 90.1 Performance Prescriptive
	Lighting schedule (each fixture type)
	lamp type required in fixture
	number of lamps in fixture
	ballast type used in the fixture
	number of ballasts in fixture
	total wattage per fixture
	total interior wattage specified vs. allowed (whole building or space by space)
	total exterior wattage specified vs. allowed
	Additional Efficiency Package Options
	(When using the 2018 NCECC; not required for ASHRAE 90.1)
,	C406.2 More Efficient HVAC Equipment Performance
	C406.3 Reduced Lighting Power Density
	C406.4 Enhanced Digital Lighting Controls
	C406.5 On-Site Renewable Energy
	C406.6 Dedicated Outdoor Air System
	C406.7 Reduced Energy Use in Service Water Heating